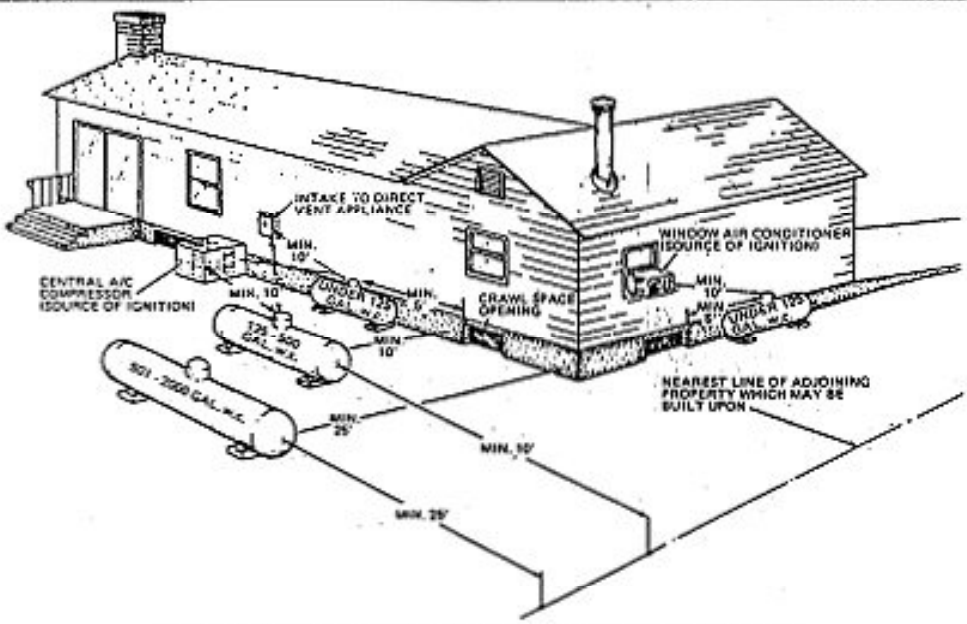
LPG TANKS



ABOVEGROUND ASME LISTED TANKS

(This figure is for illustrative purposes only. Text shall govern.)

TANK LOCATION AND INSTALLATION

(Subject to approval of the local Fire District.)

a) Regardless of its size, any ASME tank filled on-site must be located such that the filling connection and fixed liquid level gauge are at least 10' from any external source of ignition (ie: electrical service, open flame, furnace, A/C compressor, etc.), intake to a direct vented gas appliance or intake to a mechanical ventilation system.
b) The capacity of LPG tanks is based on water volume in gallons.
c) Tanks up to 125 gallons shall be at least 5' from buildings and property lines. Tanks of this size may be located adjacent to the building it serves under certain conditions as shown in the detail with approval of the local Fire District.
d) Tanks of 126 to 500 gallons shall be at least 10' from buildings and property lines.
e) Tanks of 501 to 2,000 gallons shall be at least 25' from buildings and property lines.
f) A single tank not exceeding 1,200 gallons may be 10' from buildings and property lines provided there are not other tanks within 25'.
g) For installations above 5000' elevation installation shall be as prescribed by the local Fire District.

INSTALLATION OF EXTERIOR GAS PIPING

MATERIAL: a) Gas piping which is at least 6" above grade may be wrought iron, steel (black or galvanized), yellow brass or internally tinned copper.
b) Underground gas piping may be plastic rated for use with gas, or factory coated steel pipe.
c) Gas piping must be new or previously used for gas only.

INSTALLATION: a) Low pressure steel piping shall have a minimum coverage of 12" and plastic pipe shall have a minimum of 18" coverage.
b) Medium pressure gas piping, steel or plastic, is to have a minimum of 18" of cover.
c) Field applied wrapping shall be limited to short sections which have been stripped for threading purposes.
d) Underground joints in the coated steel pipe need to be wrapped with PVC tape to a total thickness of 40 mils which extend 6" beyond the ends of the joint. The riser must be coated steel pipe which extends at least 6" above grade.
e) Underground plastic piping needs to have an 18 gauge tracer wire attached to the pipe for its full length and must terminate above ground at each end. Transition risers shall be coated steel pipe which connects to the plastic pipe 18" below grade with a minimum horizontal length of 30". The riser must extend at least 6" above grade.

TESTING: a) Testing shall be done with pressurized air, CO_2 or nitrogen. Do not use water for testing purposes.
b) Low pressure systems need to be tested at 10 psi for 15 minutes.
c) Medium pressure systems, in excess of 14" water column or gas lines with a regulator at each end, need a 60 psi test holding for at least 30 minutes.

PLACER COUNTY
BUILDING DEPARTMENT
AUBURN, CALIFORNIA

1994 PLUMBING CODE - CHAPTER 12
1994 FIRE CODE - ARTICLE 82

DATE: JANUARY 1, 1996

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